

**ENGINEERING/OPERATIONS COMMITTEE MEETING RECAP
JANUARY 13, 2011**

COMMITTEE MEMBERS PRESENT

Ed Mandich, Committee Chair
Jim Haselton, Alternate Committee Member

COMMITTEE MEMBER ABSENT

Matt Disston, Committee Member

STAFF PRESENT

Don Chadd, General Manager
Hector Ruiz, District Engineer
Teresa Teichman, Secretary to the Board of Directors
Kris Hanberg, Wastewater Supervisor
Neil McKenna, Water Supervisor
Bob Beck, Maintenance Supervisor
Michael Perea, Special Projects Manager

PUBLIC PRESENT

No members of the public were present.

CALL THE MEETING TO ORDER

Committee Chair Mandich called the Engineering/Operational Committee Meeting to order at 7:06 a.m.

VISITOR PARTICIPATION

There was no visitor participation

ORAL COMMUNICATION

There were no comments.

COMMITTEE MEMBER COMMENTS

There were no Committee Member comments.

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REPORT FROM THE GENERAL MANAGER

There was no report from the General Manager.

PROJECT MANAGEMENT

**ITEM NO. 1A) STATUS UPDATE AND POSSIBLE ACTION RELATING TO
STORM DAMAGE**

Mr. Don Chadd, General Manager, provided photos and an overview of the damage TCWD incurred during the December 2010 and January 2011 storms. Mr. Chadd advised FEMA representatives have viewed portions of the affected areas, some areas are still inaccessible.

Mr. Chadd reviewed preliminary figures for temporary and permanent repairs and replacement of equipment, additional quotes and studies are pending.

Discussion occurred relating to emergency repairs and securing water reliability for TCWD customers along with possible funding sources. At this time, TCWD is awaiting disaster declaration by the President of the United States in order that TCWD may submit costs to FEMA for consideration of reimbursement.

The Engineering/Operational Committee received the status update. No action taken.

**ITEM NO. 1B) STATUS UPDATE RELATING TO BAKER WATER
TREATMENT PLANT (BWT)**

Mr. Hector Ruiz, District Engineer, advised the BWT Committee last met in November 2010 and is scheduled to meet later today to review comments on the 60% design completion. Mr. Ruiz advised information will be discussed pertaining to a surge analysis and schedule.

The Engineering/Operational Committee received the status update. No action taken.

**ITEM NO. 1C) STATUS UPDATE AND POSSIBLE ACTION RELATING TO
ROSE CANYON AND LANG WELLS GROUNDWATER
TREATMENT FACILITY**

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Mr. Ruiz mentioned that he has evaluated providing RC Foster with additional time for project completion to account for delays in receiving power from SCE and most recently the severe storms at the end of December 2010 and beginning of January 2011. The storms and flooding caused rain delays and prevented access to the site due to road closures and debris buildup on public roads. R.C. Foster had submitted a request for extension of their contract through the end of December 2010 for Substantial Completion. Mr. Ruiz recommend that time for substantial project completion be extended to January 14, 2011. At this time the project is 98% complete with startup and testing beginning next week.

Mr. Ruiz advised SCE completed its delivery and connection of the transformer earlier this week and TCWD anticipates start-up testing of equipment beginning the week of January 17, 2011. Instrumentation and power wiring tests have commenced and all equipment has been disinfected.

Mr. Ruiz advised claim reimbursements have been received by the District for claims six and seven. Mr. Ruiz advised all claims submittals are on track and proceeding smoothly.

Mr. Ruiz advised he is currently working with GMU to provide an Operations Plan to the Department of Public Health (DPH) as required for the DPH to issue a conditional permit.

Mr. Ruiz advised a Tracer Study is also required to be performed with the test results submitted to the DPH as a condition of obtaining a permit to operate. The tracer study and testing will be performed by TCWD staff. Mr. Ruiz stated the wells could come on line as early as the week of January 24, 2011, pending approval by the DPH.

Mr. Ruiz advised he has received information from a vendor relating to the Watershed Sanitary Survey required by DHP. Mr. Ruiz requested approval to move forward with the survey for an approximate cost of \$31,000 and a six-to-eight week timeline to perform. Mr. Ruiz confirmed the cost for this survey will not be considered for reimbursement in the SFR loan, per verbal communication with the DPH.

Mr. Ruiz advised the Board he may have one change order to submit at the time of the Regular Board Meeting.

The Engineering/Operational Committee received the status update. Forward to the Board (Action Calendar).

**ITEM NO. 1D) STATUS UPDATE RELATING TO WATER MONITORING AND
WATER CONSERVATION EFFORTS**

Mr. Chadd discussed the water allocation tables provided by the Municipal Water District of Orange County (MWDOC) containing data as of December 10, 2010 and noted TCWD remains

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under its allotment. Mr. Chadd noted allocations from MET/MWDOC have been increased to 2,961 acre feet.

Mr. Michael Perea, Special Projects Manager, advised he has received several WRES reduction requests this week from district customers.

The Engineering/Operational Committee received the status update. No action taken.

ITEM NO. 1E) STATUS UPDATES REGARDING ON-GOING ENGINEERING PROJECTS

1. Golf Club Lift Station Upgrades/Rehabilitation

Mr. Ruiz advised there is no new information to report.

2. Shadow Rock Detention Basin Facility Project

Mr. Ruiz advised that he and Mr. Perea are working with the County of Orange as this is one of the projects on the list of consideration for Proposition 84 funding. Mr. Ruiz advised there are three projects moving forward for evaluation and approval and this project is one of them. Mr. Ruiz anticipates a response sometime in April 2011.

3. Brookseed/Dove Water Main Inter-Tie/Fire Line

Mr. Ruiz advised there is no new information to report.

4. El Toro Road Sewer Lift Station

Mr. Ruiz advised there is no new information to report.

5. Other Projects

Mr. Ruiz briefly discussed SOCWA's pre-treatment Ordinance and Enforcement Response Plan and advised he will be working on this with TCWD's wastewater supervisor and contacting SOCWA for further clarifications.

The Engineering/Operational Committee received the status updates. Information will be forwarded to the Board. (Action Calendar).

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ITEM 1F) STATUS UPDATES REGARDING ACTIVE DEVELOPMENTS

1. Skyridge – Standard Pacific Homes (85 DUs)

Mr. Ruiz advised he was contacted by the developer and instructed to stop all work until further notice.

2. Oaks at Trabuco

Mr. Ruiz advised there is no new information to discuss.

3. Other Active Developments

Mr. Ruiz advised TCWD and PSOMAS met with staff from Fieldstone last week relating to a property which Fieldstone has closed escrow on and will be developing. This property was owned by a different developer (RJ Homes) and TCWD had performed a preliminary SAMP a few years ago. Fieldstone advised there will only be slight changes to their footprint and landscape plan. PSOMAS will be providing an estimate to the district for costs to update the water and sewer analysis along with costs to provide plan check and other responsibilities normally provided by the district.

Discussion occurred relating to the previous developer deposit being transferred to Fieldstone and TCWD advised it will look into any remaining balance and what documents will be required for consideration for use of those funds.

The Engineering/Operational Committee received the status update. No action taken.

ITEM NO. 1G) WATER SYSTEM STATUS UPDATE

Mr. Neil McKenna, Water Supervisor, provided the December 2010 update.

Source Water Production

1. The water treatment plant production totaled 133 acre feet.
2. The Rose Canyon Well produced 0 acre feet and the Lang Well produced 0 acre feet.
3. The average daily demand was 4.9 acre feet, or 2.4 cfs.

Projects and Repairs

1. Water Department Personnel flushed 50 hydrants in lower Robinson Ranch.
2. Water Department Personnel exercised 40 valves in Trabuco Highlands.

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3. Water Department Personnel was involved in post storm evaluation of District pipelines.

The Engineering/Operational Committee received the status update. No action taken.

ITEM NO. 1H) WASTEWATER SYSTEM STATUS UPDATE

Mr. Kris Hanberg, Wastewater Supervisor, provided the December 2010 status update.

Robinson Ranch Wastewater Treatment Plant

1. The reclaimed water production totaled 53.3 acre feet.
2. The recycled water demand was 11.4 acre feet.
3. Dove Lake had zero feet of freeboard.
4. The reclaimed water reservoir had 1 foot of freeboard.
5. The District pumped a total of zero acre feet from Dove Lake.
6. The Dry Season Water Recovery Project produced zero acre feet.

Projects

1. District Personnel performed clean up from storm damage.
2. District Personnel were bypassing half the current sewage flow to SMWD .
3. The District sold 9.7 acre feet of recycled water to the Portola Basin.

Mr. Hanberg provided a status relating to the wet wells at the Oaks. Discussion occurred regarding the apparent water intrusion from recent storm into the sewer system.

Mr. Hanberg reviewed the Sewer System Management Plan (SSMP) Report with the committee and provided the SSMP quarterly report along with the SSMP Program Annual Audit Report for 2010 to be kept on file with the District.

The Engineering/Operational Committee received the status update. No action taken.

ITEM NO. 1I) DECEMBER 2010 OPERATIONAL REPORT REVIEW

There were no anomalies to report.

The Engineering/Operational Committee received and filed the report. No action taken.

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**ITEM NO. 1J) ENGINEERING/OPERATIONAL COMMITTEE MEETING
RECAP**

No changes were made to the Engineering/Operational recap.

The Engineering/Operational Committee recommended that the Board receive and file the December 9, 2010 Engineering/Operational Committee Meeting Recap. (Consent Calendar).

ITEM NO. 1K) OTHER MATTERS/REPORT

Mr. Chadd advised both the water treatment plant and wastewater treatment plant have secured a supply of sand, sandbags, tarps, and stakes in anticipation of future winter storms.

Mr. Chadd discussed the condition of the slope on which Dove reservoir sits and the defective down drain V ditches which have allowed water intrusion and created a large void. The northern slope appears to be inundated with gopher holes and there is concern as to the integrity of the slope. This slope is owned and maintained by Dove Canyon Master Association.

Mr. Chadd advised Diver Dan is currently performing inspection of the interior of TCWD's potable reservoirs as required by DPH every five years.

Recommended Action: The Committee received the status update. No action taken.

ADJOURNMENT

Committee Chair Mandich adjourned the January 13, 2011 Engineering/Operational Committee Meeting at 8:13 a.m.